

IN THE SPECIFICATION

Please replace the paragraph beginning on page 8, line 13 with the following paragraph:

The circuit 100 may comprise a circuit 106 and a circuit 108. The circuit 106 may be, in one example, a control circuit for controlling the frequency of the signal FOUT. The circuit 108 may be implemented, in one example, as a voltage controlled oscillator (VCO) having an automatically controlled gain (e.g., K_{vco}). In one example, the circuit 108 may have a non-linear gain. The circuit 106 may receive the signal REF and the signal FOUT. The circuit 106 may have an output that may present a signal (e.g., VIN) to an input of the circuit 108. The signal VIN may be a control signal. The signal VIN may have a voltage level that may vary in response to the signals REF and FOUT. The circuit 108 may be configured to generate the signal FOUT in response to the signal VIN. The gain of the circuit 108 may be adjusted according to a gain function (described in more detail in connection with FIGS. 6 and 7 below) in response to changes in frequency of an input signal (e.g., the signal REF).